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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	1 mm o		
		THE HAMED HAVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/700,916	11/04/2003.	William J. Begley	86722AEK	8889	
7	590 11/23/2004		Try iv		
Paul A Laine	Doul A. Faimald			EXAMINER	
Paul A. Leipold			GARRETT, DAWN L		
Patent Legal St					
Eastman Kodal	k Company		ART UNIT	PAPER NUMBER	
343 State Stree	t			- The Bit Tromber	
Rochester, NY	14650-2201		1774		
		•	DATE MAILED: 11/23/2004		

Please find below and/or attached an Office communication concerning this application or proceeding.

* '\$	Application No.	Applicant(a)	4
		Applicant(s)	
Office Action Summary	10/700,916 Examiner	BEGLEY ET AL.	
-		Art Unit	
The MAILING DATE of this communication a	Dawn Garrett	th the correspondence add-	
Period for Reply	thhears on the coset sheet Mi	th the correspondence address	
A SHORTENED STATUTORY PERIOD FOR REF THE MAILING DATE OF THIS COMMUNICATION - Extensions of time may be available under the provisions of 37 CFR after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a n - If NO period for reply is specified above, the maximum statutory perion - Failure to reply within the set or extended period for reply will, by state Any reply received by the Office later than three months after the main earned patent term adjustment. See 37 CFR 1.704(b).	N. 1.136(a). In no event, however, may a re- reply within the statutory minimum of thirty od will apply and will expire SIX (6) MON'	eply be timely filed y (30) days will be considered timely. THS from the mailing date of this communicatio	n.
Status			
1) Responsive to communication(s) filed on 04	November 2003		
5 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	nis action is non-final.		
3) Since this application is in condition for allow	vance except for formal matte	ers prosecution as to the morite in	_
closed in accordance with the practice under	r Ex parte Quayle, 1935 C.D.	. 11. 453 O.G. 213.	š
Disposition of Claims	-	.,	
4)⊠ Claim(s) <u>1-33</u> is/are pending in the applicatio			
4a) Of the above claim(s) is/are withdr			
5) Claim(s) is/are withdr	awn from consideration.		
6)⊠ Claim(s) <u>1-33</u> is/are rejected.			
7) Claim(s) is/are objected to.			
8) Claim(s) are subject to restriction and/	for election requirement		
	or election requirement.		
Application Papers			
9) The specification is objected to by the Examin	ier.		
10)⊠ The drawing(s) filed on <u>02 August 2004</u> is/are	⊫ a)⊠ accepted or b)⊡ obje	ected to by the Examiner.	
Applicant may not request that any objection to the	e drawing(s) be held in abeyanc	e. See 37 CFR 1.85(a).	
Replacement drawing sheet(s) including the correct	ction is required if the drawing(s) is objected to. See 37 CFR 1 121/d).
11)☐ The oath or declaration is objected to by the E	Examiner. Note the attached	Office Action or form PTO-152.	•
Priority under 35 U.S.C. § 119			
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of:		19(a)-(d) or (f).	
1. Certified copies of the priority documen	its have been received.		
2. Certified copies of the priority documen	its have been received in App	olication No	
3. Copies of the certified copies of the price	ority documents have been re	eceived in this National Stage	
application from the International Burea * See the attached detailed Office action for a list	iu (PCT Rule 17.2(a)).		
* See the attached detailed Office action for a list	t of the certified copies not re	ceived.	
A46.ca.h			
Attachment(s) One of References Cited (PTO-892)			
2) Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paner No(s)/N	nmary (PTO-413) Mail Date	
3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date <u>11-4-2003</u> .	5) Notice of Info 6) Other:	rmal Patent Application (PTO-152)	

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DETAILED ACTION

Specification

1. It is suggested the status of all related applications which are referred to in the specification be updated by amendment prior to allowance of the present application. Related applications are referred to on pages 1 and 60 of the specification.

Claim Objections

- 2. Claims 20, 21, 24, 25, and 29 are objected to because of the following informalities:
 - a. In claim 20, it is suggested "the group consisting of" be inserted before "trifluoromethyl".
 - b. In claim 21, it is suggested "the group consisting of" be inserted before "trifluoromethyl".
 - c. In claim 25, it is suggested "the device containing no" be changed to "a device containing no".
 - d. It is suggested the word "substituted" be inserted after "substituted or not" in partc) of claim 29.
 - e. Claim 24 is objected to under 37 CFR 1.75(c), as being of improper dependent form for failing to further limit the subject matter of a previous claim. Applicant is required to cancel the claim, or amend the claim to place the claim in proper dependent form, or rewrite the claim in independent form. Since claim 1, upon which claim 24 ultimately depends, already sets forth a limitation stating the dopant produces orange-red light, it is not seen how claim 24 further limits claim 1.

Appropriate correction is required.

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Claim Rejections - 35 USC § 112

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3. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

- 4. Claims 9, 14, 25 and 28 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.
- 5. Claim 9 depends from claim 1, which defines the substituents of the phenyl rings on the 5 and 11 positions of formula (I) as comprising "branched alkyl or non-aromatic carbocyclic groups". Claim 9 recites W may be a non-aromatic heterocyclic group, which is neither a branched alkyl or non-aromatic carbocyclic group. Accordingly, the claim 9 dopant falls outside the scope of claim 1, which renders claim 9 indefinite.
- 6. Claim 9 depends from claim 1, which defines the formula (I) compound as requiring the phenyl rings at the 6 and 12 positions to be substituted. Claim 9 sets forth variable "n" as possibly zero, which means there is no substituent on the phenyl rings at the 6 and 12 positions. Accordingly, claim 9 falls outside the scope of claim 1, which renders claim 9 indefinite.
- 7. Claim 25 is drawn to a limitation comparing the device comprising the rubrene derivative of formula (I) with a device that does not contain rubrene. This claim is confusing, because the device as claimed also does not expressly comprise "rubrene". The claimed device comprises a derivative of rubrene according to claim 1. Clarification and/or correction are required.
- 8. In claim 28, compound Inv-8 is outside the scope of the claim 1 formula (I), because the phenyl rings at the 6 and 12 positions are not substituted as required by claim 1. Accordingly, claim 28 falls outside the scope of claim 1, which renders claim 28 indefinite.

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Claim Rejections - 35 USC § 102

9. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 10. Claims 29 and 30 are rejected under 35 U.S.C. 102(b) as being anticipated by "A New Yellow Fluorescent Dopant For High-Efficiency OLEDs", 11th International Workshop On Inorganic And Organic Electroluminescence & 2002 International Conference On the Science And Technology Of Emissive Displays And Lighting, Sept. 2002, Session 4, El2002 Ghent, Ghent University, Ghent, Belgium by Wu et al. (cited by Applicant). Wu et al. disclose a compound, TBRb, (see Figure 1) as a dopant in an Alq host in a layer of an electroluminescent device. The compound TBRb anticipates the Formula (I) compound of claim 29 wherein the phenyl rings in the 6 and 12 positions are not substituted. Because the TBRb compound anticipates the luminescent compound set forth in the claims, the wavelength properties recited in claims 29 and 30 are deemed to be inherent to the TBRb compound recited by Wu et al.

Double Patenting

11. The nonstatutory double patenting rejection is based on a judicially created doctrine grounded in public policy (a policy reflected in the statute) so as to prevent the unjustified or improper timewise extension of the "right to exclude" granted by a patent and to prevent possible harassment by multiple assignees. See *In re Goodman*, 11 F.3d 1046, 29 USPQ2d 2010 (Fed. Cir. 1993); *In re Longi*, 759 F.2d 887, 225 USPQ 645 (Fed. Cir. 1985); *In re Van Ornum*, 686 F.2d 937, 214 USPQ 761 (CCPA 1982); *In re Vogel*, 422 F.2d 438, 164 USPQ 619 (CCPA 1970); and, *In re Thorington*, 418 F.2d 528, 163 USPQ 644 (CCPA 1969).

A timely filed terminal disclaimer in compliance with 37 CFR 1.321(c) may be used to overcome an actual or provisional rejection based on a nonstatutory double patenting ground provided the conflicting application or patent is shown to be commonly owned with this application. See 37 CFR 1.130(b).

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Effective January 1, 1994, a registered attorney or agent of record may sign a terminal disclaimer. A terminal disclaimer signed by the assignee must fully comply with 37 CFR 3.73(b).

12. Claims 1-33 are provisionally rejected under the judicially created doctrine of obviousness-type double patenting as being unpatentable over claims 1, 3-8, 12-17, 21-23, 27, 31, 32, and 36-38 of copending Application No. 10/700,894. Although the conflicting claims are not identical, they are not patentably distinct from each other because application '894 discloses specific rubrene derivatives Inv-15 to Inv-21 for a light emitting layer that read upon the formula (I) derivatives of the present application.

This is a <u>provisional</u> obviousness-type double patenting rejection because the conflicting claims have not in fact been patented.

Allowable Subject Matter

13. Claims 1-28 and 31-33 contain allowable subject matter. Formula (I) (as set forth in claim 1) as a dopant in a light emitting layer of an electroluminescent device is considered to be allowable subject matter. The prior art fails to teach or to render obvious rubrene derivatives according to formula (I) comprising the very specific substituents as claimed used as a dopant in the light emitting layer of an electroluminescent device.

Conclusion

14. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dawn Garrett whose telephone number is (571)272-1523. The examiner can normally be reached Monday through Friday.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Rena Dye can be reached at (571) 272-3186. The fax phone number for the

organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Dawn Garrett **Primary Examiner**

Dawn Garrett

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D.G.

November 18, 2004